

16_50 Creating a Custom Levels Filter Group

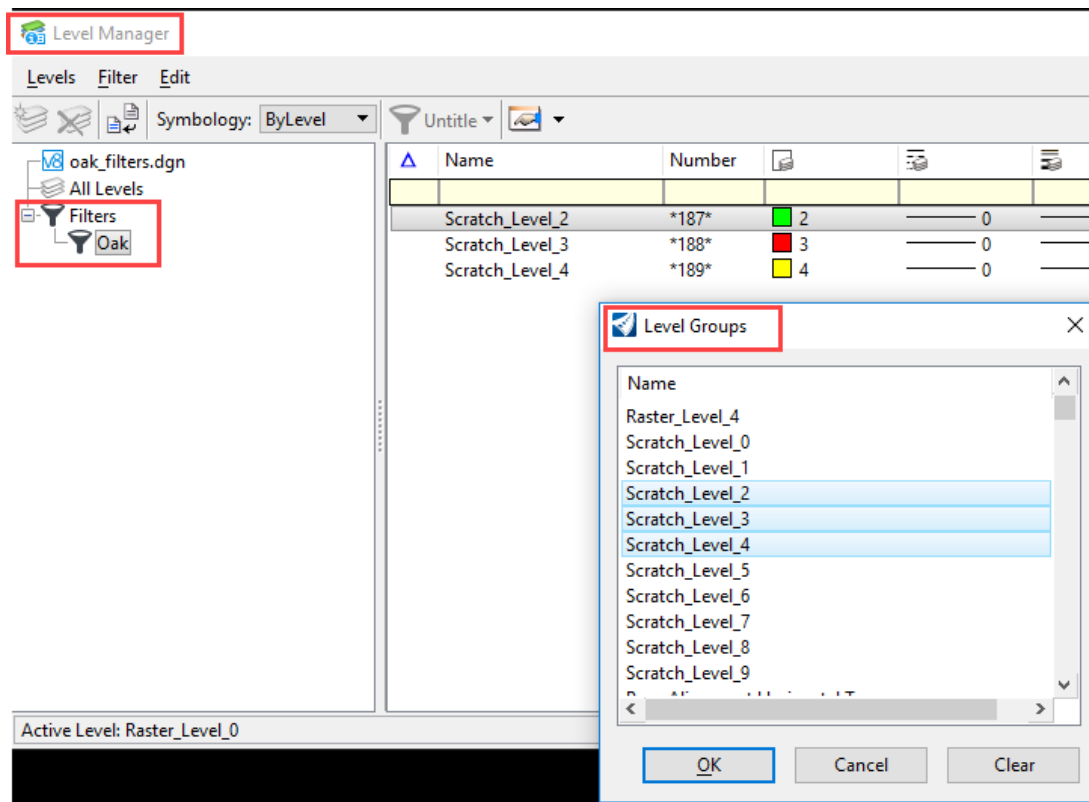
Question:

What would it take to create a button to turn off levels that we commonly turn off when we create our plans?

Answer:

There is a built in Microstation function for this. In a DGNLIB create a level or filter group. The difference between a level group versus a filter group is mainly the filters group can also “filter” out the color, weight, style, and number of the same level name.


In Level Manager, create a level or filter group.



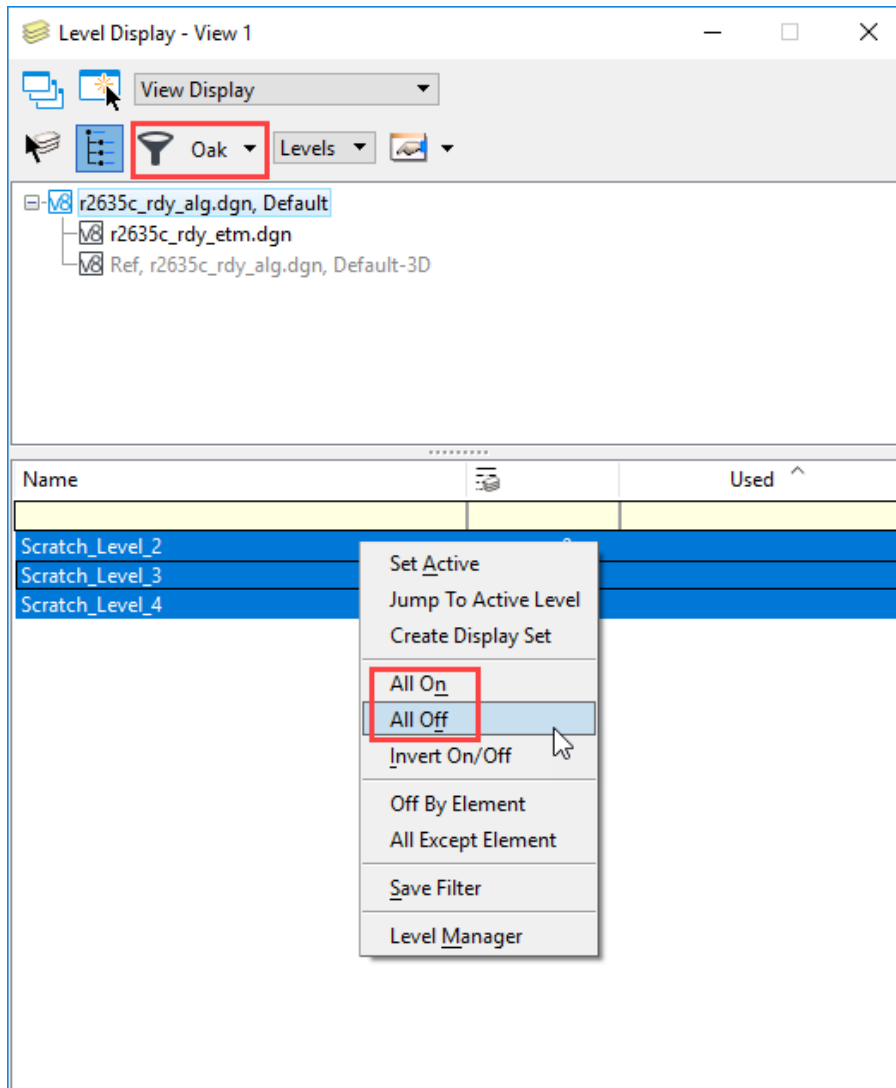
Similar to the Graphical Filters used in Survey to create the terrain models, the same concept can be applied to regular MicroStation levels. There are three recommended locations where this filter/level group DGNLIB is to be stored, depending on its intended use:

- Workspace – NCDOT Unit Wide Users
- Workset – Project Users
- Supplemental Workspace/Personal.cfg - User

```
14 # Include Graphical Filters from the Workspace (PW=Site) if they exist.  
15 CIVIL_CIVILTMDGNLIBLIST > ${_USTN_WORKSPACESTANDARDS}Dgnlib/Graphical Filters/*.dgnlib  
16 MS_DGNLIBLIST > ${_USTN_WORKSPACESTANDARDS}Dgnlib/Graphical Filters/*.dgnlib  
17
```

C:\MICROSTATION_CONNECT_WORKSPACE\Configuration\WorkSpaces\NCDOT_Roadway\Standards\Dgnlib\Graphical Filters			
Name	Date modified	Type	Size
 oak_levels_group.dgnlib	11/14/2017 9:19 AM	Bentley MicroStati...	49 KB

When you launch a Microstation file, select this filtered level group to turn ON or OFF.



Note that in V8i each NCDOT Unit can create a filters DGNLIB for their Unit's use. We are just expanding on this concept with ORD giving the users the ability to create and store their own DGNLIB and custom filtered levels group as part of the workset and supplemental workspace folder structure. It is also a good way to turn levels OFF or ON in shared DGN files such as the DRN accessed by Roadway and Hydro.